

IN THE CLAIMS:

Please amend claims 1, 4, 9, and 11 as follows.

1. (Currently Amended) A method of allocating a channel in a mobile system, comprising:

arranging in the system ~~unallocated~~ base stations and telecommunication channels which are available for a plurality of base stations but not permanently allocated to any base station, between a base station controller and ~~a the basestation~~ stations,

allocating in call set-up at least one of said telecommunication channels to the base station handling the call, and

controlling the base station controller to transmit information to the base station on the telecommunication channel allocated thereto.

2. (Previously Presented) A method as claimed in claim 1, wherein said telecommunication channels are circuit-switched and that in the method:

said telecommunication channels are classified on the basis of their characteristics into at least two categories, i.e. primary telecommunication channels and secondary telecommunication channels, and

in call set-up, a primary telecommunication channel, if available, is allocated to the base station, otherwise a free secondary telecommunication channel is allocated thereto.

3. (Previously Presented) A method as claimed in claim 2, wherein said free telecommunication channels are classified into categories on the basis of their data transmission capacity or quality such that the primary telecommunication channels have larger data transmission capacity or they are of better quality than the secondary telecommunication channels.

4. (Currently Amended) A mobile system, which comprises

a base station controller, ~~and~~

at least a first and a second base station, which comprise transceiver units for establishing a telecommunication connection by radio signals to the subscriber terminals located in the base station coverage area and switching means for switching the base station transceiver units onto a particular channel of a plurality of optional telecommunication channels between the base station controller and the base stations, wherein a plurality of optional telecommunication channels available between said base station controller and said base stations, but not permanently allocated to any base station,

the base station controller comprises control means which in call set-up allocate at least one of said telecommunication channels to the first or the second base station for the call and which transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated, and

the switching means of the first, and correspondingly, of the second base station are responsive to said message for switching the base station transceiver units to the telecommunication channel assigned by said message.

5. (Previously Presented) A mobile system as claimed in claim 4, wherein said telecommunication channels are circuit-switched telecommunication channels that are classified on the basis of their characteristics into at least two categories, that is, into primary telecommunication channels and secondary telecommunication channels and that

said control means allocate in call set-up a primary telecommunication channel, if available, to the call, otherwise a free, secondary telecommunication channel is allocated thereto.

6. (Previously Presented) A mobile system as claimed in claim 4, wherein the primary telecommunication channels have larger data transmission capacity or they are of better quality than the secondary telecommunication channels.

7. (Previously Presented) A mobile system as claimed in claim 4 wherein said message indicating the allocated telecommunication channel also indicates a radio channel to be used in the call to the transceiver unit of the base station.

8. (Previously Presented) A mobile system as claimed in claim 4 wherein
said mobile system is the GSM system and
said message consists of a CHANNEL ACTIVATION message in accordance
with the GSM specifications part 08.58, to which is added information on the
telecommunication channel allocated to the base station.

9. (Currently Amended) A mobile system base station, which comprises
transceiver units for establishing a telecommunication connection by radio signals
to the subscriber terminals located in the coverage area of the base station, and

switching means for ~~switching~~ connecting its transceiver units in call set-up to a
base station controller via to—particular channels of a plurality of optional
telecommunication channels which are not permanently allocated to any base station, said
switching means being responsive to a message received by the base station in
conjunction with the call set-up for switching a particular transceiver unit onto the
telecommunication channel indicated by the message for the call.

10. (Previously Presented) A base station as claimed in claim 9, wherein said
particular transceiver unit comprises means for applying a radio channel assigned by the
message for the duration of the call to be established.

11. (Currently Amended) A base station controller comprising:

means for communicating with base stations via a plurality of optional telecommunication channels, which are not permanently allocated to any base station, between the base station controller and the base stations, and

control means which are arranged to allocate in call set-up at least one of said telecommunication channels to a base station for a call and which are arranged to transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated.